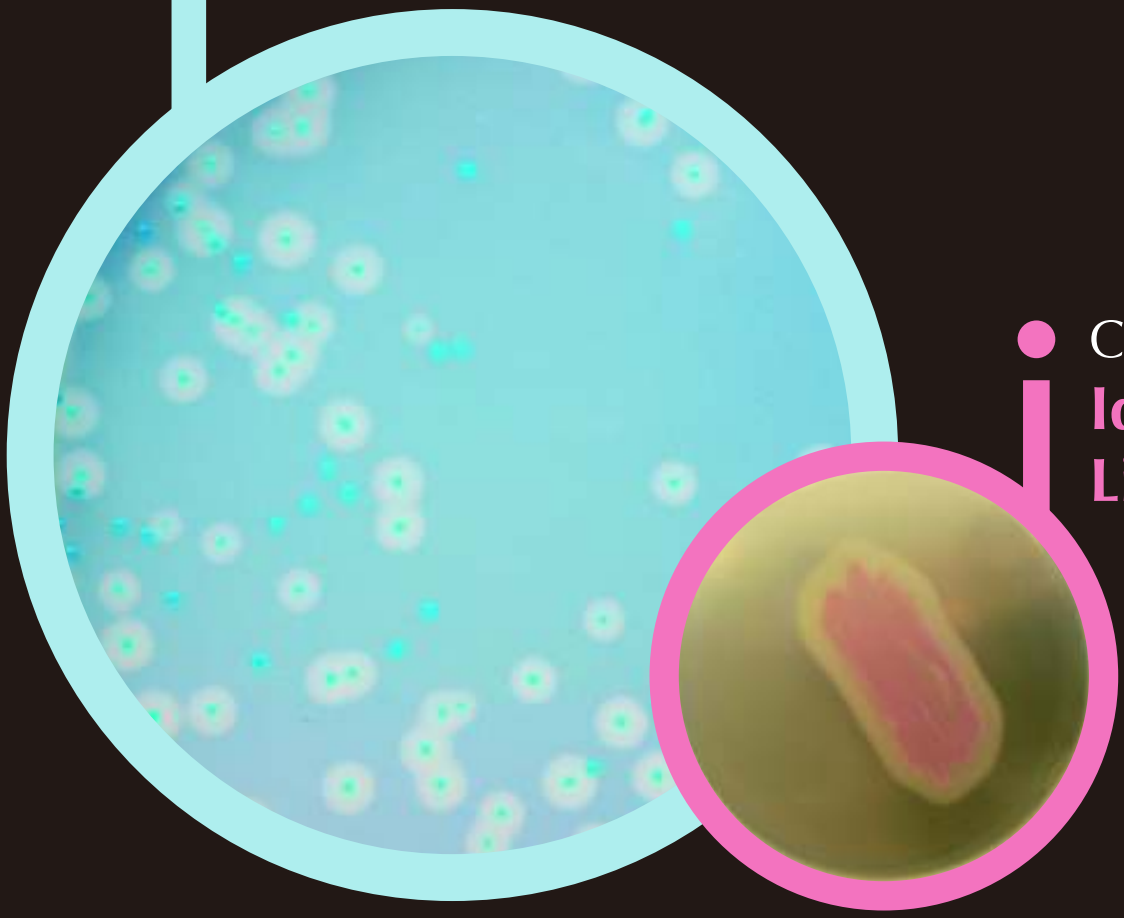
CHROMagar™ Listeria



CHROMagar™ Identification Listeria

For detection, enumeration and confirmation of *Listeria monocytogenes*

CHROMagar
The Chromogenic Media Pioneer

CHROMagar™ Listeria Method

www.CHROMagar.com

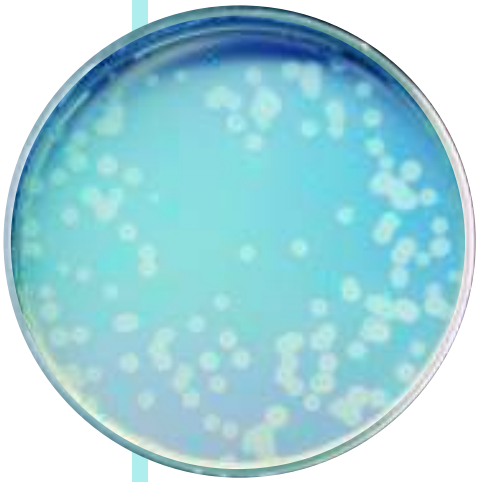


Plate Reading
• *L.monocytogenes*
→ blue, diameter less than 3mm, regular and white halo

Quality Control Strains
L. monocytogenes ATCC® 19115
→ blue with halo
L. innocua CIP 8012 = ATCC® 33091
→ blue without halo
E. faecalis ATCC® 29212
→ inhibited
E. coli ATCC® 25922
→ inhibited

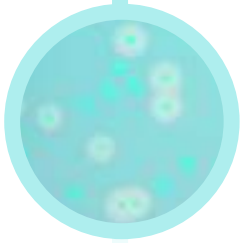
CHROMagar™ Listeria Method

Listeria monocytogenes is a widespread bacteria, present in the soil, sewage or faecal matter. Its ability to form listerial biofilms on contact surfaces makes it difficult to eliminate. This pathogen can cause serious food poisoning and is therefore frequently a microbial Q.C. target in food processing facilities to avoid food contamination. Contamination can occur at all steps of the food manufacturing chain from raw materials to place of consumption.

CHROMagar has developed a rapid method for the detection of *L.monocytogenes* in food stuff, comprising the following simple steps (1) enrichement in half frazer broth for 24h, (2) isolation in CHROMagar™ Listeria, (3) confirmation of *Listeria monocytogenes* species in CHROMagar™ Identification Listeria. This method was validated by the AFNOR, in comparison to the method described in the ISO-11290. This validation showed that the CHROMagar™ Listeria method had the same rate of detection, while dramatically reducing both, the time to result and the workload.

CHROMagar™ Listeria Method vs ISO 11290 Method:

	CHROMagar Listeria Method	**ISO 11290 Method (classical)**
Number of Enrichments	**1 for 24h**	2 = total 72h
Number of plates Incubation	**1 plate for 24h**	4 plates for 24h & 48h
Number of confirmatory tests	**1 test**	6 tests
Time to result:		
Negative results	**After 2 days**	After 7 days
Positive results	**After 3 days**	After 11 days



CHROMagar™ Listeria
For detection and numeration of *Listeria monocytogenes*

Medium Performance

CLEAR READING

Since *L. monocytogenes* and *L. innocua* have similar biochemical properties, they cannot be differentiated on traditional media (Palcam, Oxford). CHROMagar™ Listeria helps to easily differentiate *Listeria monocytogenes* from other *Listeria* directly at the isolation step: the colonies are blue and surrounded by a white halo due to a specific phospholipase activity.

Plate Reading
• *L.monocytogenes*
→ rose surrounded by a white halo

Quality Control Strains
L. monocytogenes ATCC® 19115
→ mauve with halo
L. innocua CIP 8012 = ATCC® 33091
→ mauve without halo
L. ivanovii ATCC® 19119
→ colourless with halo
B. cereus CIP 5832 = ATCC® 14893
→ colourless with big halo

CHROMagar™ Identification Listeria
For confirmation of *L.monocytogenes* species from suspect colonies on CHROMagar Listeria

Medium Performance

SIMPLICITY/QUICK RESULTS

Classical confirmatory tests for the *L.monocytogenes* species include many tedious and time consuming steps (purification + catalase + haemolysis + dextrose + rhamnose + xylose...) CHROMagar™ Identification Listeria simplifies the species confirmatory step and reduces the workload, hence improves the efficiency of the laboratory.

A single spot of a suspect colony out of **CHROMagar™ Listeria** directly put onto **CHROMagar™ Identification Listeria**, will provide confirmation of *L. monocytogenes* species within 24 hours.

Version 5 / Fev-13
LF-EXT-007

Order References

Please use these product references when contacting your local distributor:
CHROMagar Listeria :
1000 ml pack LM851
5000 ml pack LM852
CHROMagar Identification Listeria : 1 X 250 ml pack LK970

Manufacturer: CHROMagar
4 place du 18 juin 1940 75006 Paris - France
Email: CHROMagar@CHROMagar.com
Website: www.CHROMagar.com

Find your nearest distributor on
www.CHROMagar.com/contact